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AMENDMENTS TO THE CLAIMS:

Please add new claim 35 and amend the claims as follows:

1. (Currently Amended) A plasma display panel equipped with a front substrate and a back substrate facing each other across a discharge space, and with, between the front substrate and the back substrate, a plurality of row electrode pairs and a plurality of column electrodes extending in a direction intersecting the row electrode pairs to form unit light emitting areas in the respective portions of the discharge space corresponding to the intersections with the row electrode pairs, comprising: characterized by providing:

on an area facing the unit light emitting area between the front substrate and the back substrate, a magnesium oxide layer that includes a magnesium oxide crystal eausing capable of emitting a cathode-luminescence emission having a peak within a wavelength range of 200 nm to 300 nm upon being excited by electron beams.

wherein the magnesium oxide crystal is exposed to the discharge space.

- 2. (Currently Amended) The plasma display panel according to claim 1, wherein the magnesium oxide crystal is comprises a magnesium oxide single crystal produced by a vaporphase oxidation technique.
- 3. (Currently Amended) The plasma display panel according to claim 1, wherein the magnesium oxide crystal eauses is capable of emitting a cathode-luminescence emission having a peak within a range from 230 nm to 250 nm.

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4. (Original) The plasma display panel according to claim 1, wherein the magnesium oxide crystal has a particle diameter of 2000 or more angstroms.

- 5. (Original) The plasma display panel according to claim 1, wherein the magnesium oxide layer is formed on a dielectric layer covering the row electrode pairs.
- 6. (Original) The plasma display panel according to claim 1, wherein the unit light emitting area is divided into a first light emitting area for causing light emission for forming an image and a second light emitting area for initiating a discharge for selecting the first light emitting area to cause the light emission for forming the image, and the magnesium oxide layer is provided in an area facing the second light emitting area of the unit light emitting area.
- 7. (Currently Amended) The plasma display panel according to claim 2, wherein the magnesium oxide single crystal is comprises a magnesium oxide single crystal having a cubic single-crystal structure.
- 8. (Currently Amended) The plasma display panel according to claim 2, wherein the magnesium oxide single crystal is comprises a magnesium oxide single crystal having a cubic polycrystal structure.
- 9. (Original) The plasma display panel according to claim 2, wherein the magnesium oxide single crystal has a particle diameter of 500 or more angstroms.

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10. (Original) The plasma display panel according to claim 2, wherein the magnesium oxide single crystal has a particle diameter of 2000 or more angstroms.

- 11. (Currently Amended) The plasma display panel according to claim 1, comprising a dielectric layer covering either the row electrode pairs or the column electrodes, and a protective layer covering the dielectric layer, wherein the magnesium oxide layer, which includes the magnesium oxide crystal eauses capable of emitting a cathode-luminescence emission having a peak within a wavelength range of 200 nm to 300 nm upon being excited by electron beams, constitutes the protective layer of a lamination structure, together with a thin-film magnesium oxide layer formed by vapor deposition or spattering.
- 12. (Original) The plasma display panel according to claim 11, wherein the thin-film magnesium oxide layer is formed on the dielectric layer, and the magnesium oxide layer including the magnesium oxide crystal is formed on the thin-film magnesium oxide layer.
- 13. (Original) The plasma display panel according to claim 11, wherein the magnesium oxide layer including the magnesium oxide crystal is formed on the dielectric layer, and the thin-film magnesium oxide layer is formed on the magnesium oxide layer including the magnesium oxide crystal.
- 14. (Original) The plasma display panel according to claim 11, wherein the magnesium oxide layer including the magnesium oxide crystal and the thin-film magnesium oxide layer are individually formed on the entire surface of the dielectric layer.

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- 15. (Original) The plasma display panel according to claim 11, wherein the thin-film magnesium oxide layer is formed on the entire surface of the dielectric layer, and the magnesium oxide layer including the magnesium oxide crystal is formed in a position opposite to a part of the surface of the dielectric layer.
- 16. (Original) The plasma display panel according to claim 15, wherein the magnesium oxide layer including the magnesium oxide crystal is formed on a portion facing either the row electrode pair or the column electrode.
- 17. (Original) The plasma display panel according to claim 15, wherein the magnesium oxide layer including the magnesium oxide crystal is formed on a portion excepting a portion facing either the row electrode pair or the column electrode.
- 18. (Currently Amended) A method of manufacturing a plasma display panel equipped with a front substrate and a back substrate facing each other across a discharge space, electrodes formed on at least one of the front and back substrates, a dielectric layer covering the electrodes, and a protective layer covering the dielectric layer, comprising: eharacterized by having: a process of

forming a magnesium oxide layer that includes a magnesium oxide crystal <u>capable of</u> <u>emitting eausing</u> a cathode-luminescence emission having a peak within a wavelength range of 200 nm to 300 nm upon being excited by electron beams, in a position covering a required portion of the dielectric layer,

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wherein the magnesium oxide crystal is exposed to the discharge space.

- (Currently Amended) The method of manufacturing the plasma display panel 19. according to claim 18, wherein in the process of forming the magnesium oxide, a coating of a paste including the magnesium oxide crystal is applied to a required portion of the dielectric layer to form the magnesium oxide layer.
- (Currently Amended) The method of manufacturing the plasma display panel 20. according to claim 18, wherein in the process of forming the magnesium oxide, a powder of the magnesium oxide crystal is sprayed and deposited on the dielectric layer to form the magnesium oxide layer.
- (Currently Amended) The method of manufacturing the plasma display panel 21. according to claim 18, wherein the magnesium oxide crystal is comprises a magnesium oxide single crystal produced by a vapor-phase oxidation technique.
- (Currently Amended) The method of manufacturing the plasma display panel 22. according to claim 18, wherein the magnesium oxide crystal eauses is capable of emitting a cathode-luminescence emission having a peak within a range from 230 nm to 250 nm.
- (Original) The method of manufacturing the plasma display panel according to claim 23. 18, wherein the magnesium oxide crystal has a particle diameter of 2000 or more angstroms.

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24. (Currently Amended) The method of manufacturing the plasma display panel according to claim 21, wherein the magnesium oxide single crystal is comprises a magnesium oxide single crystal having a cubic single-crystal structure.

- 25. (Currently Amended) The method of manufacturing the plasma display panel according to claim 21, wherein the magnesium oxide single crystal is comprises a magnesium oxide single crystal having a cubic polycrystal structure.
- 26. (Original) The method of manufacturing the plasma display panel according to claim21, wherein the magnesium oxide single crystal has a particle diameter of 500 or moreangstroms.
- 27. (Original) The method of manufacturing the plasma display panel according to claim21, wherein the magnesium oxide single crystal has a particle diameter of 2000 or moreangstroms.
- 28. (Currently Amended) The method of manufacturing the plasma display panel according to claim 18, wherein, in a process of forming the protective layer, the process of forming the magnesium oxide layer is performed together with a process of forming a thin-film magnesium oxide layer by vapor deposition or spattering to form the protective layer of a lamination structure made up of the thin-film magnesium oxide layer and the magnesium oxide layer including the magnesium oxide crystal.

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29. (Currently Amended) The method of manufacturing the plasma display panel according to claim 28, wherein after the process of forming the thin-film magnesium oxide layer has been performed, the process of forming the magnesium oxide layer including the magnesium oxide crystal is performed.

- (Currently Amended) The method of manufacturing the plasma display panel 30. according to claim 28, wherein after the process of forming the magnesium oxide layer including the magnesium oxide crystal is performed, the process of forming the thin-film magnesium oxide layer is performed.
- (Currently Amended) The method of manufacturing the plasma display panel 31. according to claim 28, wherein in the process of forming the protective layer, the magnesium oxide layer including the magnesium oxide crystal and the thin-film magnesium oxide layer are individually formed on the entire surface of the dielectric layer.
- (Currently Amended) The method of manufacturing the plasma display panel 32. according to claim 28, wherein in the process of forming the thin-film magnesium oxide layer, the thin-film magnesium oxide layer is formed on the entire surface of the dielectric layer, and in the process of forming the magnesium oxide layer including the magnesium oxide crystal, the magnesium oxide layer including the magnesium oxide crystal is formed in a position opposite to a part of the surface of the dielectric layer.
- (Currently Amended) The method of manufacturing the plasma display panel 33.

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according to claim 32, wherein in the process of forming the magnesium oxide layer including the magnesium oxide crystal, the magnesium oxide layer including the magnesium oxide crystal is formed on a portion facing the electrodes. electrode.

- 34. (Currently Amended) The method of manufacturing the plasma display panel according to claim 32, wherein in the process of forming the magnesium oxide layer including the magnesium oxide crystal, the magnesium oxide layer including the magnesium oxide crystal is formed on a portion excepting a portion facing the electrodes.
- 35. (New) The plasma display panel according to claim 1, wherein the magnesium oxide crystal is oriented at random in the magnesium oxide layer.